

LAB CHRONICLE

OrderID:	Q1382	OrderDate:	2/18/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	OU4-PCS-TC-01-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/20/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	
Q1382-02	OU4-PCS-TC-01-0217 25	Water			02/17/25			02/18/25
			SPLP Mercury	7470A		02/24/25	02/24/25	
			SPLP MetalGroup3	6020B		02/19/25	02/25/25	
Q1382-03	OU4-PCS-TC-02-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/20/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	
Q1382-04	OU4-PCS-TC-02-0217 25	Water			02/17/25			02/18/25
			SPLP Mercury	7470A		02/24/25	02/24/25	
			SPLP MetalGroup3	6020B		02/19/25	02/25/25	
Q1382-05	OU4-PCS-TC-03-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/20/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	
Q1382-06	OU4-PCS-TC-03-0217 25	Water			02/17/25			02/18/25
			SPLP Mercury	7470A		02/24/25	02/24/25	
			SPLP MetalGroup3	6020B		02/19/25	02/25/25	
Q1382-07	OU4-PCS-TC-04-0217 25	SOIL			02/17/25			02/18/25
			Mercury	7471B		02/20/25	02/21/25	
			Metals ICP-TAL	6010D		02/18/25	02/19/25	

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Q1382-08	OU4-PCS-TC-04-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-09	OU4-PCS-TC-05-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/20/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-10	OU4-PCS-TC-05-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-11	OU4-PCS-TC-06-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/20/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-12	OU4-PCS-TC-06-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-13	OU4-PCS-TC-07-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/20/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-14	OU4-PCS-TC-07-0217 25	Water			02/17/25		02/18/25
			SPLP Mercury	7470A	02/24/25	02/24/25	
			SPLP MetalGroup3	6020B	02/19/25	02/25/25	
Q1382-15	OU4-PCS-TC-08-0217 25	SOIL			02/17/25		02/18/25
			Mercury	7471B	02/20/25	02/21/25	
			Metals ICP-TAL	6010D	02/18/25	02/19/25	
Q1382-16	OU4-PCS-TC-08-0217 25	Water			02/17/25		02/18/25

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Q1382-17	OU4-PCS-TC-09-0217 25	SOIL	SPLP Mercury	7470A	02/24/25	02/24/25	02/17/25	02/18/25
			SPLP MetalGroup3	6020B	02/19/25	02/25/25		
Q1382-18	OU4-PCS-TC-09-0217 25	Water	Mercury	7471B	02/20/25	02/21/25	02/17/25	02/18/25
			Metals ICP-TAL	6010D	02/18/25	02/19/25		
Q1382-19	OU4-PCS-TC-10-0217 25	SOIL	SPLP Mercury	7470A	02/24/25	02/24/25	02/17/25	02/18/25
			SPLP MetalGroup3	6020B	02/19/25	02/25/25		
Q1382-20	OU4-PCS-TC-10-0217 25	Water	Mercury	7471B	02/20/25	02/21/25	02/17/25	02/18/25
			Metals ICP-TAL	6010D	02/18/25	02/19/25		
			SPLP Mercury	7470A	02/24/25	02/24/25		
			SPLP MetalGroup3	6020B	02/19/25	02/25/25		

Hit Summary Sheet
SW-846

SDG No.: Q1382 **Order ID:** Q1382
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OU4-PCS-TC-01-021725								
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Aluminum	7100		2.21	4.59	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Barium	14.4		0.59	4.59	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Beryllium	0.42		0.011	0.28	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Cadmium	0.73		0.015	0.28	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Calcium	7990		2.57	91.8	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Chromium	1.31		0.050	0.46	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Cobalt	16.6		0.053	1.38	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Copper	36.2		0.43	0.92	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Iron	26000		2.47	4.59	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Lead	2.64		0.14	0.55	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Magnesium	6210		3.15	91.8	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Manganese	199		0.065	0.92	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Mercury	0.014	J	0.0060	0.015	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Nickel	7.72		0.083	1.84	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Potassium	84.7	J	26.4	91.8	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Sodium	1090		33.1	91.8	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Vanadium	51.0		0.25	1.84	mg/Kg
Q1382-01	OU4-PCS-TC-01-021725	SOIL	Zinc	24.8		0.10	1.84	mg/Kg
Client ID : OU4-PCS-TC-02-021725								
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Aluminum	6610		2.46	5.10	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Barium	13.9		0.65	5.10	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Beryllium	0.34		0.012	0.31	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Cadmium	0.29	J	0.016	0.31	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Calcium	9600		2.85	102	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Chromium	0.81		0.055	0.51	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Cobalt	15.7		0.059	1.53	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Copper	31.0		0.48	1.02	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Iron	27100		2.74	5.10	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Lead	2.32		0.15	0.61	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Magnesium	5780		3.50	102	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Manganese	240		0.072	1.02	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Nickel	7.08		0.092	2.04	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Potassium	154		29.3	102	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Sodium	1180		36.8	102	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Vanadium	44.8		0.28	2.04	mg/Kg
Q1382-03	OU4-PCS-TC-02-021725	SOIL	Zinc	25.1		0.11	2.04	mg/Kg

Hit Summary Sheet
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SDG No.: Q1382 **Order ID:** Q1382
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OU4-PCS-TC-03-021725								
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Aluminum	6530		2.33	4.83	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Barium	12.2		0.62	4.83	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Beryllium	0.36		0.012	0.29	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Cadmium	0.46		0.015	0.29	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Calcium	7040		2.71	96.6	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Chromium	1.75		0.052	0.48	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Cobalt	15.1		0.056	1.45	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Copper	33.3		0.45	0.97	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Iron	24300		2.60	4.83	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Lead	1.94		0.14	0.58	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Magnesium	5740		3.31	96.6	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Manganese	195		0.069	0.97	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Nickel	7.56		0.087	1.93	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Potassium	83.5	J	27.7	96.6	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Sodium	1080		34.9	96.6	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Vanadium	48.5		0.26	1.93	mg/Kg
Q1382-05	OU4-PCS-TC-03-021725	SOIL	Zinc	24.1		0.11	1.93	mg/Kg
Client ID : OU4-PCS-TC-04-021725								
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Aluminum	7510		2.29	4.74	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Barium	16.7		0.61	4.74	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Beryllium	0.42		0.011	0.28	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Cadmium	0.70		0.015	0.28	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Calcium	7530		2.66	94.8	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Chromium	0.94		0.051	0.47	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Cobalt	17.9		0.055	1.42	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Copper	36.8		0.45	0.95	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Iron	29400		2.55	4.74	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Lead	2.35		0.14	0.57	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Magnesium	6770		3.25	94.8	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Manganese	220		0.067	0.95	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Nickel	7.88		0.085	1.90	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Potassium	101		27.2	94.8	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Sodium	1180		34.2	94.8	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Vanadium	53.7		0.26	1.90	mg/Kg
Q1382-07	OU4-PCS-TC-04-021725	SOIL	Zinc	27.5		0.10	1.90	mg/Kg
Client ID : OU4-PCS-TC-05-021725								
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Aluminum	8490		2.38	4.94	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Barium	11.9		0.63	4.94	mg/Kg

Hit Summary Sheet
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SDG No.: Q1382

Order ID: Q1382

Client: Nobis Group

Project ID: Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Beryllium	0.41		0.012	0.30	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Cadmium	0.51		0.016	0.30	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Calcium	9770		2.77	98.8	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Chromium	1.08		0.053	0.49	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Cobalt	17.4		0.057	1.48	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Copper	34.8		0.46	0.99	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Iron	28800		2.66	4.94	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Lead	2.55		0.15	0.59	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Magnesium	6850		3.39	98.8	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Manganese	209		0.070	0.99	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Nickel	8.38		0.089	1.98	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Potassium	131		28.4	98.8	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Sodium	1250		35.7	98.8	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Vanadium	52.2		0.27	1.98	mg/Kg
Q1382-09	OU4-PCS-TC-05-021725	SOIL	Zinc	28.7		0.11	1.98	mg/Kg
Client ID : OU4-PCS-TC-06-021725								
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Aluminum	7210		2.43	5.04	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Barium	13.8		0.65	5.04	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Beryllium	0.37		0.012	0.30	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Cadmium	0.32		0.016	0.30	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Calcium	8360		2.83	101	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Chromium	1.16		0.054	0.50	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Cobalt	16.0		0.059	1.51	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Copper	32.5		0.47	1.01	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Iron	28100		2.71	5.04	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Lead	2.42		0.15	0.61	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Magnesium	6110		3.46	101	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Manganese	197		0.072	1.01	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Nickel	7.45		0.091	2.02	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Potassium	106		29.0	101	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Sodium	1260		36.4	101	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Vanadium	48.9		0.27	2.02	mg/Kg
Q1382-11	OU4-PCS-TC-06-021725	SOIL	Zinc	24.4		0.11	2.02	mg/Kg
Client ID : OU4-PCS-TC-07-021725								
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Aluminum	7850		2.40	4.98	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Barium	12.3		0.64	4.98	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Beryllium	0.36		0.012	0.30	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Cadmium	0.11	J	0.016	0.30	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Calcium	8070		2.79	99.5	mg/Kg

Hit Summary Sheet
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SDG No.: Q1382 **Order ID:** Q1382
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Chromium	1.28		0.054	0.50	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Cobalt	16.3		0.058	1.49	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Copper	32.0		0.47	1.00	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Iron	29200		2.68	4.98	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Lead	2.21		0.15	0.60	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Magnesium	6880		3.41	99.5	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Manganese	196		0.071	1.00	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Nickel	7.77		0.090	1.99	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Potassium	105		28.6	99.5	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Sodium	1440		35.9	99.5	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Vanadium	49.1		0.27	1.99	mg/Kg
Q1382-13	OU4-PCS-TC-07-021725	SOIL	Zinc	23.6		0.11	1.99	mg/Kg
Client ID : OU4-PCS-TC-08-021725								
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Aluminum	7070		2.49	5.17	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Barium	13.8		0.66	5.17	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Beryllium	0.38		0.012	0.31	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Cadmium	0.53		0.017	0.31	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Calcium	8730		2.89	103	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Chromium	1.07		0.056	0.52	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Cobalt	16.2		0.060	1.55	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Copper	34.3		0.49	1.03	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Iron	26300		2.78	5.17	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Lead	2.08		0.16	0.62	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Magnesium	6400		3.54	103	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Manganese	214		0.073	1.03	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Nickel	7.45		0.093	2.07	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Potassium	95.1	J	29.7	103	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Sodium	1140		37.3	103	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Vanadium	46.1		0.28	2.07	mg/Kg
Q1382-15	OU4-PCS-TC-08-021725	SOIL	Zinc	25.6		0.11	2.07	mg/Kg
Client ID : OU4-PCS-TC-09-021725								
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Aluminum	7060		2.47	5.12	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Barium	12.4		0.66	5.12	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Beryllium	0.36		0.012	0.31	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Cadmium	0.17	J	0.016	0.31	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Calcium	7560		2.87	102	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Chromium	1.08		0.055	0.51	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Cobalt	16.2		0.059	1.54	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Copper	33.1		0.48	1.02	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1382 **Order ID:** Q1382
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Iron	28100		2.75	5.12	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Lead	2.61		0.15	0.61	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Magnesium	6150		3.51	102	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Manganese	200		0.073	1.02	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Nickel	7.47		0.092	2.05	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Potassium	96.3	J	29.4	102	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Sodium	1230		37.0	102	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Vanadium	51.4		0.28	2.05	mg/Kg
Q1382-17	OU4-PCS-TC-09-021725	SOIL	Zinc	27.1		0.11	2.05	mg/Kg
Client ID : OU4-PCS-TC-10-021725								
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Aluminum	7910		2.46	5.10	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Barium	13.7		0.65	5.10	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Beryllium	0.41		0.012	0.31	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Cadmium	0.40		0.016	0.31	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Calcium	9010		2.86	102	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Chromium	1.23		0.055	0.51	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Cobalt	17.5		0.059	1.53	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Copper	33.5		0.48	1.02	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Iron	29500		2.74	5.10	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Lead	2.92		0.15	0.61	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Magnesium	6900		3.50	102	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Manganese	233		0.072	1.02	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Nickel	8.15		0.092	2.04	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Potassium	104		29.3	102	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Sodium	1250		36.8	102	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Vanadium	51.3		0.28	2.04	mg/Kg
Q1382-19	OU4-PCS-TC-10-021725	SOIL	Zinc	26.9		0.11	2.04	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7100		1	2.21	3.67	4.59	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-36-0	Antimony	0.57	UN	1	0.14	0.57	2.30	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-38-2	Arsenic	0.74	U	1	0.27	0.74	0.92	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-39-3	Barium	14.4	N	1	0.59	1.15	4.59	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-41-7	Beryllium	0.42	N	1	0.011	0.069	0.28	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-43-9	Cadmium	0.73		1	0.015	0.069	0.28	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-70-2	Calcium	7990		1	2.57	23.0	91.8	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-47-3	Chromium	1.31		1	0.050	0.12	0.46	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-48-4	Cobalt	16.6		1	0.053	0.34	1.38	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-50-8	Copper	36.2		1	0.43	0.74	0.92	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7439-89-6	Iron	26000		1	2.47	3.67	4.59	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7439-92-1	Lead	2.64	N	1	0.14	0.44	0.55	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7439-95-4	Magnesium	6210		1	3.15	23.0	91.8	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7439-96-5	Manganese	199		1	0.065	0.23	0.92	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7439-97-6	Mercury	0.014	J	1	0.0060	0.012	0.015	mg/Kg	02/20/25 16:00	02/21/25 14:17	SW7471B	
7440-02-0	Nickel	7.72		1	0.083	0.46	1.84	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-09-7	Potassium	84.7	JN	1	26.4	73.5	91.8	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7782-49-2	Selenium	0.74	UN	1	0.30	0.74	0.92	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-22-4	Silver	0.23	UN	1	0.048	0.23	0.46	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-23-5	Sodium	1090		1	33.1	73.5	91.8	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-28-0	Thallium	0.92	U	1	0.40	0.92	1.84	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-62-2	Vanadium	51.0	N	1	0.25	0.92	1.84	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050
7440-66-6	Zinc	24.8	N	1	0.10	0.46	1.84	mg/Kg	02/18/25 14:05	02/19/25 17:49	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6610		1	2.46	4.08	5.10	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-36-0	Antimony	0.64	UN	1	0.15	0.64	2.55	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-38-2	Arsenic	0.82	U	1	0.30	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-39-3	Barium	13.9	N	1	0.65	1.27	5.10	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-41-7	Beryllium	0.34	N	1	0.012	0.076	0.31	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-43-9	Cadmium	0.29	J	1	0.016	0.076	0.31	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-70-2	Calcium	9600		1	2.85	25.5	102	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-47-3	Chromium	0.81		1	0.055	0.13	0.51	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-48-4	Cobalt	15.7		1	0.059	0.38	1.53	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-50-8	Copper	31.0		1	0.48	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7439-89-6	Iron	27100		1	2.74	4.08	5.10	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7439-92-1	Lead	2.32	N	1	0.15	0.49	0.61	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7439-95-4	Magnesium	5780		1	3.50	25.5	102	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7439-96-5	Manganese	240		1	0.072	0.26	1.02	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7439-97-6	Mercury	0.010	U	1	0.0060	0.010	0.013	mg/Kg	02/20/25 16:00	02/21/25 14:19	SW7471B	
7440-02-0	Nickel	7.08		1	0.092	0.51	2.04	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-09-7	Potassium	154	N	1	29.3	81.5	102	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7782-49-2	Selenium	0.82	UN	1	0.34	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-22-4	Silver	0.26	UN	1	0.053	0.26	0.51	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-23-5	Sodium	1180		1	36.8	81.5	102	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-28-0	Thallium	1.02	U	1	0.45	1.02	2.04	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-62-2	Vanadium	44.8	N	1	0.28	1.02	2.04	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050
7440-66-6	Zinc	25.1	N	1	0.11	0.51	2.04	mg/Kg	02/18/25 14:05	02/19/25 17:53	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
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 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6530		1	2.33	3.87	4.83	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-36-0	Antimony	0.60	UN	1	0.14	0.60	2.42	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-38-2	Arsenic	0.77	U	1	0.28	0.77	0.97	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-39-3	Barium	12.2	N	1	0.62	1.21	4.83	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-41-7	Beryllium	0.36	N	1	0.012	0.072	0.29	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-43-9	Cadmium	0.46		1	0.015	0.072	0.29	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-70-2	Calcium	7040		1	2.71	24.2	96.6	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-47-3	Chromium	1.75		1	0.052	0.12	0.48	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-48-4	Cobalt	15.1		1	0.056	0.36	1.45	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-50-8	Copper	33.3		1	0.45	0.77	0.97	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7439-89-6	Iron	24300		1	2.60	3.87	4.83	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7439-92-1	Lead	1.94	N	1	0.14	0.46	0.58	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7439-95-4	Magnesium	5740		1	3.31	24.2	96.6	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7439-96-5	Manganese	195		1	0.069	0.24	0.97	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7439-97-6	Mercury	0.012	U	1	0.0070	0.012	0.015	mg/Kg	02/20/25 16:00	02/21/25 14:22	SW7471B	
7440-02-0	Nickel	7.56		1	0.087	0.48	1.93	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-09-7	Potassium	83.5	JN	1	27.7	77.3	96.6	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7782-49-2	Selenium	0.77	UN	1	0.32	0.77	0.97	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-22-4	Silver	0.24	UN	1	0.050	0.24	0.48	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-23-5	Sodium	1080		1	34.9	77.3	96.6	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-28-0	Thallium	0.97	U	1	0.43	0.97	1.93	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-62-2	Vanadium	48.5	N	1	0.26	0.97	1.93	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050
7440-66-6	Zinc	24.1	N	1	0.11	0.48	1.93	mg/Kg	02/18/25 14:05	02/19/25 17:58	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7510		1	2.29	3.79	4.74	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-36-0	Antimony	0.59	UN	1	0.14	0.59	2.37	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-38-2	Arsenic	0.76	U	1	0.28	0.76	0.95	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-39-3	Barium	16.7	N	1	0.61	1.19	4.74	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-41-7	Beryllium	0.42	N	1	0.011	0.071	0.28	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-43-9	Cadmium	0.70		1	0.015	0.071	0.28	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-70-2	Calcium	7530		1	2.66	23.7	94.8	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-47-3	Chromium	0.94		1	0.051	0.12	0.47	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-48-4	Cobalt	17.9		1	0.055	0.36	1.42	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-50-8	Copper	36.8		1	0.45	0.76	0.95	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7439-89-6	Iron	29400		1	2.55	3.79	4.74	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7439-92-1	Lead	2.35	N	1	0.14	0.46	0.57	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7439-95-4	Magnesium	6770		1	3.25	23.7	94.8	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7439-96-5	Manganese	220		1	0.067	0.24	0.95	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7439-97-6	Mercury	0.010	U	1	0.0060	0.010	0.013	mg/Kg	02/20/25 16:00	02/21/25 14:24	SW7471B	
7440-02-0	Nickel	7.88		1	0.085	0.47	1.90	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-09-7	Potassium	101	N	1	27.2	75.9	94.8	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7782-49-2	Selenium	0.76	UN	1	0.31	0.76	0.95	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-22-4	Silver	0.24	UN	1	0.049	0.24	0.47	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-23-5	Sodium	1180		1	34.2	75.9	94.8	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-28-0	Thallium	0.95	U	1	0.42	0.95	1.90	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-62-2	Vanadium	53.7	N	1	0.26	0.95	1.90	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050
7440-66-6	Zinc	27.5	N	1	0.10	0.47	1.90	mg/Kg	02/18/25 14:05	02/19/25 18:02	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8490		1	2.38	3.95	4.94	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-36-0	Antimony	0.62	UN	1	0.15	0.62	2.47	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-38-2	Arsenic	0.79	U	1	0.29	0.79	0.99	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-39-3	Barium	11.9	N	1	0.63	1.24	4.94	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-41-7	Beryllium	0.41	N	1	0.012	0.074	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-43-9	Cadmium	0.51		1	0.016	0.074	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-70-2	Calcium	9770		1	2.77	24.7	98.8	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-47-3	Chromium	1.08		1	0.053	0.12	0.49	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-48-4	Cobalt	17.4		1	0.057	0.37	1.48	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-50-8	Copper	34.8		1	0.46	0.79	0.99	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7439-89-6	Iron	28800		1	2.66	3.95	4.94	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7439-92-1	Lead	2.55	N	1	0.15	0.47	0.59	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7439-95-4	Magnesium	6850		1	3.39	24.7	98.8	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7439-96-5	Manganese	209		1	0.070	0.25	0.99	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7439-97-6	Mercury	0.010	U	1	0.0060	0.010	0.013	mg/Kg	02/20/25 16:00	02/21/25 14:26	SW7471B	
7440-02-0	Nickel	8.38		1	0.089	0.49	1.98	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-09-7	Potassium	131	N	1	28.4	79.1	98.8	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7782-49-2	Selenium	0.79	UN	1	0.33	0.79	0.99	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-22-4	Silver	0.25	UN	1	0.051	0.25	0.49	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-23-5	Sodium	1250		1	35.7	79.1	98.8	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-28-0	Thallium	0.99	U	1	0.44	0.99	1.98	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-62-2	Vanadium	52.2	N	1	0.27	0.99	1.98	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050
7440-66-6	Zinc	28.7	N	1	0.11	0.49	1.98	mg/Kg	02/18/25 14:05	02/19/25 18:06	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7210		1	2.43	4.04	5.04	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-36-0	Antimony	0.63	UN	1	0.15	0.63	2.52	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-38-2	Arsenic	0.81	U	1	0.29	0.81	1.01	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-39-3	Barium	13.8	N	1	0.65	1.26	5.04	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-41-7	Beryllium	0.37	N	1	0.012	0.076	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-43-9	Cadmium	0.32		1	0.016	0.076	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-70-2	Calcium	8360		1	2.83	25.2	101	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-47-3	Chromium	1.16		1	0.054	0.13	0.50	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-48-4	Cobalt	16.0		1	0.059	0.38	1.51	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-50-8	Copper	32.5		1	0.47	0.81	1.01	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7439-89-6	Iron	28100		1	2.71	4.04	5.04	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7439-92-1	Lead	2.42	N	1	0.15	0.48	0.61	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7439-95-4	Magnesium	6110		1	3.46	25.2	101	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7439-96-5	Manganese	197		1	0.072	0.25	1.01	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7439-97-6	Mercury	0.012	U	1	0.0060	0.012	0.015	mg/Kg	02/20/25 16:00	02/21/25 14:28	SW7471B	
7440-02-0	Nickel	7.45		1	0.091	0.50	2.02	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-09-7	Potassium	106	N	1	29.0	80.7	101	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7782-49-2	Selenium	0.81	UN	1	0.33	0.81	1.01	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-22-4	Silver	0.25	UN	1	0.052	0.25	0.50	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-23-5	Sodium	1260		1	36.4	80.7	101	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-28-0	Thallium	1.01	U	1	0.44	1.01	2.02	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-62-2	Vanadium	48.9	N	1	0.27	1.01	2.02	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050
7440-66-6	Zinc	24.4	N	1	0.11	0.50	2.02	mg/Kg	02/18/25 14:05	02/19/25 18:10	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7850		1	2.40	3.98	4.98	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-36-0	Antimony	0.62	UN	1	0.15	0.62	2.49	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-38-2	Arsenic	0.80	U	1	0.29	0.80	1.00	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-39-3	Barium	12.3	N	1	0.64	1.24	4.98	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-41-7	Beryllium	0.36	N	1	0.012	0.075	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-43-9	Cadmium	0.11	J	1	0.016	0.075	0.30	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-70-2	Calcium	8070		1	2.79	24.9	99.5	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-47-3	Chromium	1.28		1	0.054	0.12	0.50	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-48-4	Cobalt	16.3		1	0.058	0.37	1.49	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-50-8	Copper	32.0		1	0.47	0.80	1.00	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7439-89-6	Iron	29200		1	2.68	3.98	4.98	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7439-92-1	Lead	2.21	N	1	0.15	0.48	0.60	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7439-95-4	Magnesium	6880		1	3.41	24.9	99.5	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7439-96-5	Manganese	196		1	0.071	0.25	1.00	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7439-97-6	Mercury	0.010	U	1	0.0060	0.010	0.013	mg/Kg	02/20/25 16:00	02/21/25 14:35	SW7471B	
7440-02-0	Nickel	7.77		1	0.090	0.50	1.99	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-09-7	Potassium	105	N	1	28.6	79.6	99.5	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7782-49-2	Selenium	0.80	UN	1	0.33	0.80	1.00	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-22-4	Silver	0.25	UN	1	0.052	0.25	0.50	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-23-5	Sodium	1440		1	35.9	79.6	99.5	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-28-0	Thallium	1.00	U	1	0.44	1.00	1.99	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-62-2	Vanadium	49.1	N	1	0.27	1.00	1.99	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050
7440-66-6	Zinc	23.6	N	1	0.11	0.50	1.99	mg/Kg	02/18/25 14:05	02/19/25 18:14	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
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 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7070		1	2.49	4.13	5.17	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-36-0	Antimony	0.65	UN	1	0.16	0.65	2.58	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-38-2	Arsenic	0.83	U	1	0.30	0.83	1.03	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-39-3	Barium	13.8	N	1	0.66	1.29	5.17	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-41-7	Beryllium	0.38	N	1	0.012	0.078	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-43-9	Cadmium	0.53		1	0.017	0.078	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-70-2	Calcium	8730		1	2.89	25.8	103	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-47-3	Chromium	1.07		1	0.056	0.13	0.52	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-48-4	Cobalt	16.2		1	0.060	0.39	1.55	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-50-8	Copper	34.3		1	0.49	0.83	1.03	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7439-89-6	Iron	26300		1	2.78	4.13	5.17	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7439-92-1	Lead	2.08	N	1	0.16	0.50	0.62	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7439-95-4	Magnesium	6400		1	3.54	25.8	103	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7439-96-5	Manganese	214		1	0.073	0.26	1.03	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7439-97-6	Mercury	0.011	U	1	0.0060	0.011	0.014	mg/Kg	02/20/25 16:00	02/21/25 14:37	SW7471B	
7440-02-0	Nickel	7.45		1	0.093	0.52	2.07	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-09-7	Potassium	95.1	JN	1	29.7	82.7	103	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7782-49-2	Selenium	0.83	UN	1	0.34	0.83	1.03	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-22-4	Silver	0.26	UN	1	0.054	0.26	0.52	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-23-5	Sodium	1140		1	37.3	82.7	103	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-28-0	Thallium	1.03	U	1	0.46	1.03	2.07	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-62-2	Vanadium	46.1	N	1	0.28	1.03	2.07	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050
7440-66-6	Zinc	25.6	N	1	0.11	0.52	2.07	mg/Kg	02/18/25 14:05	02/19/25 18:19	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7060		1	2.47	4.09	5.12	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-36-0	Antimony	0.64	UN	1	0.15	0.64	2.56	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-38-2	Arsenic	0.82	U	1	0.30	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-39-3	Barium	12.4	N	1	0.66	1.28	5.12	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-41-7	Beryllium	0.36	N	1	0.012	0.077	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-43-9	Cadmium	0.17	J	1	0.016	0.077	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-70-2	Calcium	7560		1	2.87	25.6	102	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-47-3	Chromium	1.08		1	0.055	0.13	0.51	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-48-4	Cobalt	16.2		1	0.059	0.38	1.54	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-50-8	Copper	33.1		1	0.48	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7439-89-6	Iron	28100		1	2.75	4.09	5.12	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7439-92-1	Lead	2.61	N	1	0.15	0.49	0.61	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7439-95-4	Magnesium	6150		1	3.51	25.6	102	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7439-96-5	Manganese	200		1	0.073	0.26	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7439-97-6	Mercury	0.011	U	1	0.0060	0.011	0.014	mg/Kg	02/20/25 16:00	02/21/25 14:40	SW7471B	
7440-02-0	Nickel	7.47		1	0.092	0.51	2.05	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-09-7	Potassium	96.3	JN	1	29.4	81.9	102	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7782-49-2	Selenium	0.82	UN	1	0.34	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-22-4	Silver	0.26	UN	1	0.053	0.26	0.51	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-23-5	Sodium	1230		1	37.0	81.9	102	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-28-0	Thallium	1.02	U	1	0.45	1.02	2.05	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-62-2	Vanadium	51.4	N	1	0.28	1.02	2.05	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050
7440-66-6	Zinc	27.1	N	1	0.11	0.51	2.05	mg/Kg	02/18/25 14:05	02/19/25 18:31	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7910		1	2.46	4.08	5.10	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-36-0	Antimony	0.64	UN	1	0.15	0.64	2.55	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-38-2	Arsenic	0.82	U	1	0.30	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-39-3	Barium	13.7	N	1	0.65	1.27	5.10	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-41-7	Beryllium	0.41	N	1	0.012	0.076	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-43-9	Cadmium	0.40		1	0.016	0.076	0.31	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-70-2	Calcium	9010		1	2.86	25.5	102	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-47-3	Chromium	1.23		1	0.055	0.13	0.51	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-48-4	Cobalt	17.5		1	0.059	0.38	1.53	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-50-8	Copper	33.5		1	0.48	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7439-89-6	Iron	29500		1	2.74	4.08	5.10	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7439-92-1	Lead	2.92	N	1	0.15	0.49	0.61	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7439-95-4	Magnesium	6900		1	3.50	25.5	102	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7439-96-5	Manganese	233		1	0.072	0.26	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7439-97-6	Mercury	0.011	U	1	0.0060	0.011	0.014	mg/Kg	02/20/25 16:00	02/21/25 14:42	SW7471B	
7440-02-0	Nickel	8.15		1	0.092	0.51	2.04	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-09-7	Potassium	104	N	1	29.3	81.6	102	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7782-49-2	Selenium	0.82	UN	1	0.34	0.82	1.02	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-22-4	Silver	0.26	UN	1	0.053	0.26	0.51	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-23-5	Sodium	1250		1	36.8	81.6	102	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-28-0	Thallium	1.02	U	1	0.45	1.02	2.04	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-62-2	Vanadium	51.3	N	1	0.28	1.02	2.04	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050
7440-66-6	Zinc	26.9	N	1	0.11	0.51	2.04	mg/Kg	02/18/25 14:05	02/19/25 18:36	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV13	Mercury	4.00	4.0	100	90 - 110	CV	02/21/2025	12:52	LB134771

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Mercury	4.73	5.0	95	90 - 110	CV	02/21/2025	12:56	LB134771
CCV02	Mercury	4.67	5.0	93	90 - 110	CV	02/21/2025	13:29	LB134771
CCV03	Mercury	4.93	5.0	98	90 - 110	CV	02/21/2025	13:57	LB134771
CCV04	Mercury	4.95	5.0	99	90 - 110	CV	02/21/2025	14:31	LB134771
CCV05	Mercury	5.42	5.0	108	90 - 110	CV	02/21/2025	15:01	LB134771
CCV06	Mercury	4.87	5.0	97	90 - 110	CV	02/21/2025	15:22	LB134771

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2500	2500	100	90 - 110	P	02/19/2025	16:50	LB134756
	Antimony	961	1000	96	90 - 110	P	02/19/2025	16:50	LB134756
	Arsenic	997	1000	100	90 - 110	P	02/19/2025	16:50	LB134756
	Barium	485	520	93	90 - 110	P	02/19/2025	16:50	LB134756
	Beryllium	503	510	98	90 - 110	P	02/19/2025	16:50	LB134756
	Cadmium	484	510	95	90 - 110	P	02/19/2025	16:50	LB134756
	Calcium	9700	10000	97	90 - 110	P	02/19/2025	16:50	LB134756
	Chromium	490	520	94	90 - 110	P	02/19/2025	16:50	LB134756
	Cobalt	525	520	101	90 - 110	P	02/19/2025	16:50	LB134756
	Copper	495	510	97	90 - 110	P	02/19/2025	16:50	LB134756
	Iron	9860	10000	99	90 - 110	P	02/19/2025	16:50	LB134756
	Lead	965	1000	96	90 - 110	P	02/19/2025	16:50	LB134756
	Magnesium	6140	6000	102	90 - 110	P	02/19/2025	16:50	LB134756
	Manganese	489	520	94	90 - 110	P	02/19/2025	16:50	LB134756
	Nickel	521	530	98	90 - 110	P	02/19/2025	16:50	LB134756
	Potassium	10100	9900	102	90 - 110	P	02/19/2025	16:50	LB134756
	Selenium	985	1000	98	90 - 110	P	02/19/2025	16:50	LB134756
	Silver	237	250	95	90 - 110	P	02/19/2025	16:50	LB134756
	Sodium	10100	10000	102	90 - 110	P	02/19/2025	16:50	LB134756
	Thallium	998	1000	100	90 - 110	P	02/19/2025	16:50	LB134756
	Vanadium	489	500	98	90 - 110	P	02/19/2025	16:50	LB134756
	Zinc	941	1000	94	90 - 110	P	02/19/2025	16:50	LB134756

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q1382
Contract: NOBI03 Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	94.2	100	94	80 - 120	P	02/19/2025	17:11	LB134756
	Antimony	51.7	50.0	103	80 - 120	P	02/19/2025	17:11	LB134756
	Arsenic	20.7	20.0	104	80 - 120	P	02/19/2025	17:11	LB134756
	Barium	97.4	100	97	80 - 120	P	02/19/2025	17:11	LB134756
	Beryllium	5.43	6.0	90	80 - 120	P	02/19/2025	17:11	LB134756
	Cadmium	5.94	6.0	99	80 - 120	P	02/19/2025	17:11	LB134756
	Calcium	1890	2000	94	80 - 120	P	02/19/2025	17:11	LB134756
	Chromium	9.72	10.0	97	80 - 120	P	02/19/2025	17:11	LB134756
	Cobalt	29.0	30.0	96	80 - 120	P	02/19/2025	17:11	LB134756
	Copper	21.7	20.0	109	80 - 120	P	02/19/2025	17:11	LB134756
	Iron	95.5	100	96	80 - 120	P	02/19/2025	17:11	LB134756
	Lead	11.6	12.0	97	80 - 120	P	02/19/2025	17:11	LB134756
	Magnesium	1970	2000	98	80 - 120	P	02/19/2025	17:11	LB134756
	Manganese	19.3	20.0	97	80 - 120	P	02/19/2025	17:11	LB134756
	Nickel	39.6	40.0	99	80 - 120	P	02/19/2025	17:11	LB134756
	Potassium	2040	2000	102	80 - 120	P	02/19/2025	17:11	LB134756
	Selenium	21.9	20.0	109	80 - 120	P	02/19/2025	17:11	LB134756
	Silver	9.92	10.0	99	80 - 120	P	02/19/2025	17:11	LB134756
	Sodium	2080	2000	104	80 - 120	P	02/19/2025	17:11	LB134756
	Thallium	41.2	40.0	103	80 - 120	P	02/19/2025	17:11	LB134756
	Vanadium	39.2	40.0	98	80 - 120	P	02/19/2025	17:11	LB134756
	Zinc	40.5	40.0	101	80 - 120	P	02/19/2025	17:11	LB134756

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9920	10000	99	90 - 110	P	02/19/2025	17:32	LB134756
	Antimony	5000	5000	100	90 - 110	P	02/19/2025	17:32	LB134756
	Arsenic	4980	5000	100	90 - 110	P	02/19/2025	17:32	LB134756
	Barium	10000	10000	100	90 - 110	P	02/19/2025	17:32	LB134756
	Beryllium	235	250	94	90 - 110	P	02/19/2025	17:32	LB134756
	Cadmium	2500	2500	100	90 - 110	P	02/19/2025	17:32	LB134756
	Calcium	24800	25000	99	90 - 110	P	02/19/2025	17:32	LB134756
	Chromium	1030	1000	102	90 - 110	P	02/19/2025	17:32	LB134756
	Cobalt	2490	2500	100	90 - 110	P	02/19/2025	17:32	LB134756
	Copper	1260	1250	100	90 - 110	P	02/19/2025	17:32	LB134756
	Iron	5230	5000	105	90 - 110	P	02/19/2025	17:32	LB134756
	Lead	5000	5000	100	90 - 110	P	02/19/2025	17:32	LB134756
	Magnesium	24400	25000	98	90 - 110	P	02/19/2025	17:32	LB134756
	Manganese	2450	2500	98	90 - 110	P	02/19/2025	17:32	LB134756
	Nickel	2500	2500	100	90 - 110	P	02/19/2025	17:32	LB134756
	Potassium	26900	25000	108	90 - 110	P	02/19/2025	17:32	LB134756
	Selenium	4980	5000	100	90 - 110	P	02/19/2025	17:32	LB134756
	Silver	1260	1250	101	90 - 110	P	02/19/2025	17:32	LB134756
	Sodium	27000	25000	108	90 - 110	P	02/19/2025	17:32	LB134756
	Thallium	5070	5000	102	90 - 110	P	02/19/2025	17:32	LB134756
	Vanadium	2470	2500	99	90 - 110	P	02/19/2025	17:32	LB134756
	Zinc	2520	2500	101	90 - 110	P	02/19/2025	17:32	LB134756
CCV02	Aluminum	9690	10000	97	90 - 110	P	02/19/2025	18:23	LB134756
	Antimony	4960	5000	99	90 - 110	P	02/19/2025	18:23	LB134756
	Arsenic	4950	5000	99	90 - 110	P	02/19/2025	18:23	LB134756
	Barium	9910	10000	99	90 - 110	P	02/19/2025	18:23	LB134756
	Beryllium	234	250	94	90 - 110	P	02/19/2025	18:23	LB134756
	Cadmium	2480	2500	99	90 - 110	P	02/19/2025	18:23	LB134756
	Calcium	24400	25000	98	90 - 110	P	02/19/2025	18:23	LB134756
	Chromium	1010	1000	101	90 - 110	P	02/19/2025	18:23	LB134756
	Cobalt	2470	2500	99	90 - 110	P	02/19/2025	18:23	LB134756
	Copper	1250	1250	100	90 - 110	P	02/19/2025	18:23	LB134756
	Iron	5190	5000	104	90 - 110	P	02/19/2025	18:23	LB134756
	Lead	4960	5000	99	90 - 110	P	02/19/2025	18:23	LB134756

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24000	25000	96	90 - 110	P	02/19/2025	18:23	LB134756
	Manganese	2420	2500	97	90 - 110	P	02/19/2025	18:23	LB134756
	Nickel	2480	2500	99	90 - 110	P	02/19/2025	18:23	LB134756
	Potassium	26400	25000	106	90 - 110	P	02/19/2025	18:23	LB134756
	Selenium	4970	5000	99	90 - 110	P	02/19/2025	18:23	LB134756
	Silver	1240	1250	100	90 - 110	P	02/19/2025	18:23	LB134756
	Sodium	26400	25000	106	90 - 110	P	02/19/2025	18:23	LB134756
	Thallium	5010	5000	100	90 - 110	P	02/19/2025	18:23	LB134756
	Vanadium	2440	2500	98	90 - 110	P	02/19/2025	18:23	LB134756
	Zinc	2480	2500	99	90 - 110	P	02/19/2025	18:23	LB134756
CCV03	Aluminum	9910	10000	99	90 - 110	P	02/19/2025	19:08	LB134756
	Antimony	5010	5000	100	90 - 110	P	02/19/2025	19:08	LB134756
	Arsenic	5000	5000	100	90 - 110	P	02/19/2025	19:08	LB134756
	Barium	10100	10000	100	90 - 110	P	02/19/2025	19:08	LB134756
	Beryllium	240	250	96	90 - 110	P	02/19/2025	19:08	LB134756
	Cadmium	2510	2500	100	90 - 110	P	02/19/2025	19:08	LB134756
	Calcium	24900	25000	100	90 - 110	P	02/19/2025	19:08	LB134756
	Chromium	1020	1000	102	90 - 110	P	02/19/2025	19:08	LB134756
	Cobalt	2510	2500	100	90 - 110	P	02/19/2025	19:08	LB134756
	Copper	1260	1250	101	90 - 110	P	02/19/2025	19:08	LB134756
	Iron	5170	5000	104	90 - 110	P	02/19/2025	19:08	LB134756
	Lead	5030	5000	101	90 - 110	P	02/19/2025	19:08	LB134756
	Magnesium	24500	25000	98	90 - 110	P	02/19/2025	19:08	LB134756
	Manganese	2480	2500	99	90 - 110	P	02/19/2025	19:08	LB134756
	Nickel	2520	2500	101	90 - 110	P	02/19/2025	19:08	LB134756
	Potassium	26200	25000	105	90 - 110	P	02/19/2025	19:08	LB134756
	Selenium	5010	5000	100	90 - 110	P	02/19/2025	19:08	LB134756
	Silver	1260	1250	100	90 - 110	P	02/19/2025	19:08	LB134756
	Sodium	26100	25000	104	90 - 110	P	02/19/2025	19:08	LB134756
	Thallium	5080	5000	102	90 - 110	P	02/19/2025	19:08	LB134756
	Vanadium	2490	2500	100	90 - 110	P	02/19/2025	19:08	LB134756
	Zinc	2500	2500	100	90 - 110	P	02/19/2025	19:08	LB134756
CCV04	Aluminum	9690	10000	97	90 - 110	P	02/19/2025	19:30	LB134756
	Antimony	5000	5000	100	90 - 110	P	02/19/2025	19:30	LB134756

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q1382
Contract: NOBI03 Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4940	5000	99	90 - 110	P	02/19/2025	19:30	LB134756
	Barium	9730	10000	97	90 - 110	P	02/19/2025	19:30	LB134756
	Beryllium	252	250	101	90 - 110	P	02/19/2025	19:30	LB134756
	Cadmium	2450	2500	98	90 - 110	P	02/19/2025	19:30	LB134756
	Calcium	23900	25000	96	90 - 110	P	02/19/2025	19:30	LB134756
	Chromium	992	1000	99	90 - 110	P	02/19/2025	19:30	LB134756
	Cobalt	2460	2500	98	90 - 110	P	02/19/2025	19:30	LB134756
	Copper	1250	1250	100	90 - 110	P	02/19/2025	19:30	LB134756
	Iron	4760	5000	95	90 - 110	P	02/19/2025	19:30	LB134756
	Lead	4910	5000	98	90 - 110	P	02/19/2025	19:30	LB134756
	Magnesium	23600	25000	94	90 - 110	P	02/19/2025	19:30	LB134756
	Manganese	2410	2500	96	90 - 110	P	02/19/2025	19:30	LB134756
	Nickel	2460	2500	98	90 - 110	P	02/19/2025	19:30	LB134756
	Potassium	23300	25000	93	90 - 110	P	02/19/2025	19:30	LB134756
	Selenium	4980	5000	100	90 - 110	P	02/19/2025	19:30	LB134756
	Silver	1240	1250	99	90 - 110	P	02/19/2025	19:30	LB134756
	Sodium	23300	25000	93	90 - 110	P	02/19/2025	19:30	LB134756
	Thallium	5040	5000	101	90 - 110	P	02/19/2025	19:30	LB134756
	Vanadium	2440	2500	98	90 - 110	P	02/19/2025	19:30	LB134756
	Zinc	2470	2500	99	90 - 110	P	02/19/2025	19:30	LB134756



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Nobis Group SDG No.: Q1382
Contract: NOBI03 Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	88.6	100	89	40 - 160	P	02/19/2025	17:20	LB134756
	Antimony	52.1	50.0	104	40 - 160	P	02/19/2025	17:20	LB134756
	Arsenic	19.1	20.0	96	40 - 160	P	02/19/2025	17:20	LB134756
	Barium	102	100	102	40 - 160	P	02/19/2025	17:20	LB134756
	Beryllium	5.48	6.0	91	40 - 160	P	02/19/2025	17:20	LB134756
	Cadmium	5.92	6.0	99	40 - 160	P	02/19/2025	17:20	LB134756
	Calcium	1930	2000	96	40 - 160	P	02/19/2025	17:20	LB134756
	Chromium	9.54	10.0	95	40 - 160	P	02/19/2025	17:20	LB134756
	Cobalt	29.4	30.0	98	40 - 160	P	02/19/2025	17:20	LB134756
	Copper	22.1	20.0	111	40 - 160	P	02/19/2025	17:20	LB134756
	Iron	102	100	102	40 - 160	P	02/19/2025	17:20	LB134756
	Lead	11.7	12.0	97	40 - 160	P	02/19/2025	17:20	LB134756
	Magnesium	2000	2000	100	40 - 160	P	02/19/2025	17:20	LB134756
	Manganese	20.4	20.0	102	40 - 160	P	02/19/2025	17:20	LB134756
	Nickel	39.6	40.0	99	40 - 160	P	02/19/2025	17:20	LB134756
	Potassium	2110	2000	106	40 - 160	P	02/19/2025	17:20	LB134756
	Selenium	19.6	20.0	98	40 - 160	P	02/19/2025	17:20	LB134756
	Silver	10.1	10.0	101	40 - 160	P	02/19/2025	17:20	LB134756
	Sodium	2140	2000	107	40 - 160	P	02/19/2025	17:20	LB134756
	Thallium	39.0	40.0	98	40 - 160	P	02/19/2025	17:20	LB134756
	Vanadium	39.3	40.0	98	40 - 160	P	02/19/2025	17:20	LB134756
	Zinc	40.7	40.0	102	40 - 160	P	02/19/2025	17:20	LB134756
CRA	Mercury	0.21	0.2	105	40 - 160	CV	02/21/2025	13:04	LB134771



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>Nobis Group</u>				SDG No.:	<u>Q1382</u>			
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>		Case No.:	<u>Q1382</u>	SAS No.:	<u>Q1382</u>	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB13	Mercury	0.20	+/-0.20	U	0.20	CV	02/21/2025	12:54	LB134771

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q1382

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1382

SAS No.: Q1382

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Mercury	0.20	+/-0.20	U	0.20	CV	02/21/2025	13:01	LB134771
CCB02	Mercury	0.20	+/-0.20	U	0.20	CV	02/21/2025	13:32	LB134771
CCB03	Mercury	0.20	+/-0.20	U	0.20	CV	02/21/2025	14:02	LB134771
CCB04	Mercury	0.20	+/-0.20	U	0.20	CV	02/21/2025	14:33	LB134771
CCB05	Mercury	0.20	+/-0.20	U	0.20	CV	02/21/2025	15:06	LB134771
CCB06	Mercury	0.20	+/-0.20	U	0.20	CV	02/21/2025	15:24	LB134771

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q1382</u>							
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1382</u>	SAS No.: <u>Q1382</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	02/19/2025	17:15	LB134756
	Antimony	50.0	+/-50.0	U	50.0	P	02/19/2025	17:15	LB134756
	Arsenic	20.0	+/-20.0	U	20.0	P	02/19/2025	17:15	LB134756
	Barium	100	+/-100	U	100	P	02/19/2025	17:15	LB134756
	Beryllium	6.00	+/-6.00	U	6.00	P	02/19/2025	17:15	LB134756
	Cadmium	6.00	+/-6.00	U	6.00	P	02/19/2025	17:15	LB134756
	Calcium	2000	+/-2000	U	2000	P	02/19/2025	17:15	LB134756
	Chromium	10.0	+/-10.0	U	10.0	P	02/19/2025	17:15	LB134756
	Cobalt	30.0	+/-30.0	U	30.0	P	02/19/2025	17:15	LB134756
	Copper	20.0	+/-20.0	U	20.0	P	02/19/2025	17:15	LB134756
	Iron	100	+/-100	U	100	P	02/19/2025	17:15	LB134756
	Lead	12.0	+/-12.0	U	12.0	P	02/19/2025	17:15	LB134756
	Magnesium	2000	+/-2000	U	2000	P	02/19/2025	17:15	LB134756
	Manganese	20.0	+/-20.0	U	20.0	P	02/19/2025	17:15	LB134756
	Nickel	40.0	+/-40.0	U	40.0	P	02/19/2025	17:15	LB134756
	Potassium	2000	+/-2000	U	2000	P	02/19/2025	17:15	LB134756
	Selenium	20.0	+/-20.0	U	20.0	P	02/19/2025	17:15	LB134756
	Silver	10.0	+/-10.0	U	10.0	P	02/19/2025	17:15	LB134756
	Sodium	2000	+/-2000	U	2000	P	02/19/2025	17:15	LB134756
	Thallium	40.0	+/-40.0	U	40.0	P	02/19/2025	17:15	LB134756
	Vanadium	40.0	+/-40.0	U	40.0	P	02/19/2025	17:15	LB134756
	Zinc	40.0	+/-40.0	U	40.0	P	02/19/2025	17:15	LB134756

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q1382</u>							
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1382</u>	SAS No.: <u>Q1382</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	02/19/2025	17:36	LB134756
	Antimony	50.0	+/-50.0	U	50.0	P	02/19/2025	17:36	LB134756
	Arsenic	20.0	+/-20.0	U	20.0	P	02/19/2025	17:36	LB134756
	Barium	100	+/-100	U	100	P	02/19/2025	17:36	LB134756
	Beryllium	6.00	+/-6.00	U	6.00	P	02/19/2025	17:36	LB134756
	Cadmium	6.00	+/-6.00	U	6.00	P	02/19/2025	17:36	LB134756
	Calcium	2000	+/-2000	U	2000	P	02/19/2025	17:36	LB134756
	Chromium	10.0	+/-10.0	U	10.0	P	02/19/2025	17:36	LB134756
	Cobalt	30.0	+/-30.0	U	30.0	P	02/19/2025	17:36	LB134756
	Copper	20.0	+/-20.0	U	20.0	P	02/19/2025	17:36	LB134756
	Iron	100	+/-100	U	100	P	02/19/2025	17:36	LB134756
	Lead	12.0	+/-12.0	U	12.0	P	02/19/2025	17:36	LB134756
	Magnesium	2000	+/-2000	U	2000	P	02/19/2025	17:36	LB134756
	Manganese	20.0	+/-20.0	U	20.0	P	02/19/2025	17:36	LB134756
	Nickel	40.0	+/-40.0	U	40.0	P	02/19/2025	17:36	LB134756
	Potassium	2000	+/-2000	U	2000	P	02/19/2025	17:36	LB134756
	Selenium	20.0	+/-20.0	U	20.0	P	02/19/2025	17:36	LB134756
	Silver	10.0	+/-10.0	U	10.0	P	02/19/2025	17:36	LB134756
	Sodium	2000	+/-2000	U	2000	P	02/19/2025	17:36	LB134756
	Thallium	40.0	+/-40.0	U	40.0	P	02/19/2025	17:36	LB134756
	Vanadium	40.0	+/-40.0	U	40.0	P	02/19/2025	17:36	LB134756
	Zinc	40.0	+/-40.0	U	40.0	P	02/19/2025	17:36	LB134756
CCB02	Aluminum	100	+/-100	U	100	P	02/19/2025	18:27	LB134756
	Antimony	50.0	+/-50.0	U	50.0	P	02/19/2025	18:27	LB134756
	Arsenic	20.0	+/-20.0	U	20.0	P	02/19/2025	18:27	LB134756
	Barium	100	+/-100	U	100	P	02/19/2025	18:27	LB134756
	Beryllium	6.00	+/-6.00	U	6.00	P	02/19/2025	18:27	LB134756
	Cadmium	6.00	+/-6.00	U	6.00	P	02/19/2025	18:27	LB134756
	Calcium	2000	+/-2000	U	2000	P	02/19/2025	18:27	LB134756
	Chromium	10.0	+/-10.0	U	10.0	P	02/19/2025	18:27	LB134756
	Cobalt	30.0	+/-30.0	U	30.0	P	02/19/2025	18:27	LB134756
	Copper	20.0	+/-20.0	U	20.0	P	02/19/2025	18:27	LB134756
	Iron	100	+/-100	U	100	P	02/19/2025	18:27	LB134756
	Lead	12.0	+/-12.0	U	12.0	P	02/19/2025	18:27	LB134756
	Magnesium	2000	+/-2000	U	2000	P	02/19/2025	18:27	LB134756
	Manganese	20.0	+/-20.0	U	20.0	P	02/19/2025	18:27	LB134756
	Nickel	40.0	+/-40.0	U	40.0	P	02/19/2025	18:27	LB134756
	Potassium	2000	+/-2000	U	2000	P	02/19/2025	18:27	LB134756
	Selenium	20.0	+/-20.0	U	20.0	P	02/19/2025	18:27	LB134756

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q1382</u>							
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1382</u>	SAS No.: <u>Q1382</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	02/19/2025	18:27	LB134756
	Sodium	2000	+/-2000	U	2000	P	02/19/2025	18:27	LB134756
	Thallium	40.0	+/-40.0	U	40.0	P	02/19/2025	18:27	LB134756
	Vanadium	40.0	+/-40.0	U	40.0	P	02/19/2025	18:27	LB134756
	Zinc	40.0	+/-40.0	U	40.0	P	02/19/2025	18:27	LB134756
CCB03	Aluminum	100	+/-100	U	100	P	02/19/2025	19:13	LB134756
	Antimony	50.0	+/-50.0	U	50.0	P	02/19/2025	19:13	LB134756
	Arsenic	20.0	+/-20.0	U	20.0	P	02/19/2025	19:13	LB134756
	Barium	100	+/-100	U	100	P	02/19/2025	19:13	LB134756
	Beryllium	6.00	+/-6.00	U	6.00	P	02/19/2025	19:13	LB134756
	Cadmium	6.00	+/-6.00	U	6.00	P	02/19/2025	19:13	LB134756
	Calcium	2000	+/-2000	U	2000	P	02/19/2025	19:13	LB134756
	Chromium	10.0	+/-10.0	U	10.0	P	02/19/2025	19:13	LB134756
	Cobalt	30.0	+/-30.0	U	30.0	P	02/19/2025	19:13	LB134756
	Copper	20.0	+/-20.0	U	20.0	P	02/19/2025	19:13	LB134756
	Iron	100	+/-100	U	100	P	02/19/2025	19:13	LB134756
	Lead	12.0	+/-12.0	U	12.0	P	02/19/2025	19:13	LB134756
	Magnesium	2000	+/-2000	U	2000	P	02/19/2025	19:13	LB134756
	Manganese	20.0	+/-20.0	U	20.0	P	02/19/2025	19:13	LB134756
	Nickel	40.0	+/-40.0	U	40.0	P	02/19/2025	19:13	LB134756
	Potassium	2000	+/-2000	U	2000	P	02/19/2025	19:13	LB134756
	Selenium	20.0	+/-20.0	U	20.0	P	02/19/2025	19:13	LB134756
	Silver	10.0	+/-10.0	U	10.0	P	02/19/2025	19:13	LB134756
	Sodium	2000	+/-2000	U	2000	P	02/19/2025	19:13	LB134756
	Thallium	40.0	+/-40.0	U	40.0	P	02/19/2025	19:13	LB134756
	Vanadium	40.0	+/-40.0	U	40.0	P	02/19/2025	19:13	LB134756
	Zinc	40.0	+/-40.0	U	40.0	P	02/19/2025	19:13	LB134756
CCB04	Aluminum	100	+/-100	U	100	P	02/19/2025	19:34	LB134756
	Antimony	50.0	+/-50.0	U	50.0	P	02/19/2025	19:34	LB134756
	Arsenic	20.0	+/-20.0	U	20.0	P	02/19/2025	19:34	LB134756
	Barium	100	+/-100	U	100	P	02/19/2025	19:34	LB134756
	Beryllium	6.00	+/-6.00	U	6.00	P	02/19/2025	19:34	LB134756
	Cadmium	6.00	+/-6.00	U	6.00	P	02/19/2025	19:34	LB134756
	Calcium	2000	+/-2000	U	2000	P	02/19/2025	19:34	LB134756
	Chromium	10.0	+/-10.0	U	10.0	P	02/19/2025	19:34	LB134756
	Cobalt	30.0	+/-30.0	U	30.0	P	02/19/2025	19:34	LB134756
	Copper	20.0	+/-20.0	U	20.0	P	02/19/2025	19:34	LB134756
	Iron	100	+/-100	U	100	P	02/19/2025	19:34	LB134756
	Lead	12.0	+/-12.0	U	12.0	P	02/19/2025	19:34	LB134756

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>Q1382</u>							
Contract: <u>NOBI03</u>		Lab Code: <u>CHEM</u>		Case No.: <u>Q1382</u>		SAS No.: <u>Q1382</u>			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	02/19/2025	19:34	LB134756
	Manganese	20.0	+/-20.0	U	20.0	P	02/19/2025	19:34	LB134756
	Nickel	40.0	+/-40.0	U	40.0	P	02/19/2025	19:34	LB134756
	Potassium	2000	+/-2000	U	2000	P	02/19/2025	19:34	LB134756
	Selenium	20.0	+/-20.0	U	20.0	P	02/19/2025	19:34	LB134756
	Silver	10.0	+/-10.0	U	10.0	P	02/19/2025	19:34	LB134756
	Sodium	2000	+/-2000	U	2000	P	02/19/2025	19:34	LB134756
	Thallium	40.0	+/-40.0	U	40.0	P	02/19/2025	19:34	LB134756
	Vanadium	40.0	+/-40.0	U	40.0	P	02/19/2025	19:34	LB134756
	Zinc	40.0	+/-40.0	U	40.0	P	02/19/2025	19:34	LB134756

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q1382

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB166830BL		SOLID		Batch Number:		PB166830		Prep Date:	02/20/2025	
	Mercury	0.013	<0.013	U	0.010	0.013	CV	02/21/2025	14:12	LB134771

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q1382

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB166760BL	SOLID			Batch Number:	PB166760			Prep Date:	02/18/2025	
	Aluminum	4.78	<4.78	U	3.83	4.78	P	02/19/2025	17:41	LB134756
	Antimony	2.39	<2.39	U	0.60	2.39	P	02/19/2025	17:41	LB134756
	Arsenic	0.96	<0.96	U	0.77	0.96	P	02/19/2025	17:41	LB134756
	Barium	4.78	<4.78	U	1.20	4.78	P	02/19/2025	17:41	LB134756
	Beryllium	0.29	<0.29	U	0.072	0.29	P	02/19/2025	17:41	LB134756
	Cadmium	0.29	<0.29	U	0.072	0.29	P	02/19/2025	17:41	LB134756
	Calcium	95.7	<95.7	U	23.9	95.7	P	02/19/2025	17:41	LB134756
	Chromium	0.48	<0.48	U	0.12	0.48	P	02/19/2025	17:41	LB134756
	Cobalt	1.44	<1.44	U	0.36	1.44	P	02/19/2025	17:41	LB134756
	Copper	0.96	<0.96	U	0.77	0.96	P	02/19/2025	17:41	LB134756
	Iron	4.78	<4.78	U	3.83	4.78	P	02/19/2025	17:41	LB134756
	Lead	0.57	<0.57	U	0.46	0.57	P	02/19/2025	17:41	LB134756
	Magnesium	95.7	<95.7	U	23.9	95.7	P	02/19/2025	17:41	LB134756
	Manganese	0.96	<0.96	U	0.24	0.96	P	02/19/2025	17:41	LB134756
	Nickel	1.91	<1.91	U	0.48	1.91	P	02/19/2025	17:41	LB134756
	Potassium	95.7	<95.7	U	76.6	95.7	P	02/19/2025	17:41	LB134756
	Selenium	0.96	<0.96	U	0.77	0.96	P	02/19/2025	17:41	LB134756
	Silver	0.48	<0.48	U	0.24	0.48	P	02/19/2025	17:41	LB134756
	Sodium	95.7	<95.7	U	76.6	95.7	P	02/19/2025	17:41	LB134756
	Thallium	1.91	<1.91	U	0.96	1.91	P	02/19/2025	17:41	LB134756
	Vanadium	1.91	<1.91	U	0.96	1.91	P	02/19/2025	17:41	LB134756
	Zinc	1.91	<1.91	U	0.48	1.91	P	02/19/2025	17:41	LB134756

Metals
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INTERFERENCE CHECK SAMPLE

Client:	Nobis Group	SDG No.:	Q1382
Contract:	NOBI03	Lab Code:	CHEM
ICS Source:	EPA	Case No.:	Q1382
		SAS No.:	Q1382
		Instrument ID:	P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	240000	255000	94	216000	294000	02/19/2025	17:24	LB134756
	Antimony	-0.25			-50	50	02/19/2025	17:24	LB134756
	Arsenic	-2.70			-20	20	02/19/2025	17:24	LB134756
	Barium	6.50	6.0	108	-94	106	02/19/2025	17:24	LB134756
	Beryllium	1.29			-6	6	02/19/2025	17:24	LB134756
	Cadmium	-1.03	1.0	103	-5	7	02/19/2025	17:24	LB134756
	Calcium	228000	245000	93	208000	282000	02/19/2025	17:24	LB134756
	Chromium	56.9	52.0	109	42	62	02/19/2025	17:24	LB134756
	Cobalt	1.33			-30	30	02/19/2025	17:24	LB134756
	Copper	12.3	2.0	615	-18	22	02/19/2025	17:24	LB134756
	Iron	97900	101000	97	85600	116500	02/19/2025	17:24	LB134756
	Lead	5.03			-12	12	02/19/2025	17:24	LB134756
	Magnesium	242000	255000	95	216000	294000	02/19/2025	17:24	LB134756
	Manganese	4.24	7.0	61	-13	27	02/19/2025	17:24	LB134756
	Nickel	2.56	2.0	128	-38	42	02/19/2025	17:24	LB134756
	Potassium	-16.8			0	0	02/19/2025	17:24	LB134756
	Selenium	-15.4			-20	20	02/19/2025	17:24	LB134756
	Silver	-7.36			-10	10	02/19/2025	17:24	LB134756
	Sodium	38.7			0	0	02/19/2025	17:24	LB134756
	Thallium	9.10			-40	40	02/19/2025	17:24	LB134756
	Vanadium	7.33			-40	40	02/19/2025	17:24	LB134756
	Zinc	2.24			-40	40	02/19/2025	17:24	LB134756
ICSAB01	Aluminum	242000	247000	98	209000	285000	02/19/2025	17:28	LB134756
	Antimony	623	618	101	525	711	02/19/2025	17:28	LB134756
	Arsenic	114	104	110	88.4	120	02/19/2025	17:28	LB134756
	Barium	482	537	90	437	637	02/19/2025	17:28	LB134756
	Beryllium	464	495	94	420	570	02/19/2025	17:28	LB134756
	Cadmium	1020	972	105	826	1120	02/19/2025	17:28	LB134756
	Calcium	230000	235000	98	199000	271000	02/19/2025	17:28	LB134756
	Chromium	576	542	106	460	624	02/19/2025	17:28	LB134756
	Cobalt	511	476	107	404	548	02/19/2025	17:28	LB134756
	Copper	499	511	98	434	588	02/19/2025	17:28	LB134756
	Iron	105000	99300	106	84400	114500	02/19/2025	17:28	LB134756
	Lead	55.7	49.0	114	37	61	02/19/2025	17:28	LB134756
	Magnesium	243000	248000	98	210000	286000	02/19/2025	17:28	LB134756
	Manganese	469	507	92	430	584	02/19/2025	17:28	LB134756
	Nickel	1010	954	106	810	1100	02/19/2025	17:28	LB134756
	Potassium	-21.7			0	0	02/19/2025	17:28	LB134756
	Selenium	36.9	46.0	80	26	66	02/19/2025	17:28	LB134756
	Silver	215	201	107	170	232	02/19/2025	17:28	LB134756
	Sodium	70.5			0	0	02/19/2025	17:28	LB134756
	Thallium	99.1	108	92	68	148	02/19/2025	17:28	LB134756

Metals

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INTERFERENCE CHECK SAMPLE

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	466	491	95	417	565	02/19/2025	17:28	LB134756
	Zinc	1050	952	110	809	1095	02/19/2025	17:28	LB134756



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q1382
contract: NOBI03 **lab code:** CHEM **case no.:** Q1382 **sas no.:** Q1382
matrix: Solid **sample id:** Q1384-01 **client id:** OR-03-021823025MS
Percent Solids for Sample: 88.6 **Spiked ID:** Q1384-01MS **Percent Solids for Spike Sample:** 88.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	5210		4950		100	261		P
Antimony	mg/Kg	79 - 114	5.76		2.50	U	40.7	14	N	P
Arsenic	mg/Kg	82 - 111	35.7		0.91	J	40.7	86		P
Barium	mg/Kg	83 - 113	37.5		22.3		10.2	150	N	P
Beryllium	mg/Kg	83 - 113	7.98		0.31		10.2	75	N	P
Cadmium	mg/Kg	82 - 113	9.51		0.30	U	10.2	93		P
Calcium	mg/Kg	81 - 116	3000		3290		50.8	-560		P
Chromium	mg/Kg	85 - 113	25.9		7.64		20.3	90		P
Cobalt	mg/Kg	85 - 112	16.4		5.00		10.2	111		P
Copper	mg/Kg	81 - 117	29.4		15.2		15.3	93		P
Iron	mg/Kg	81 - 118	8430		8480		150	-34		P
Lead	mg/Kg	81 - 112	57.7		16.2		50.8	82		P
Magnesium	mg/Kg	78 - 115	1950		2210		100	-267		P
Manganese	mg/Kg	84 - 114	178		179		10.2	-10		P
Nickel	mg/Kg	83 - 113	33.8		9.50		25.4	96		P
Potassium	mg/Kg	81 - 116	922		515		510	80	N	P
Selenium	mg/Kg	78 - 111	74.7		1.00	U	100	75	N	P
Silver	mg/Kg	82 - 112	2.86		0.50	U	3.8	75	N	P
Sodium	mg/Kg	83 - 118	723		592		150	87		P
Thallium	mg/Kg	83 - 111	92.5		2.00	U	100	92		P
Vanadium	mg/Kg	82 - 114	24.0		14.8		15.3	60	N	P
Zinc	mg/Kg	82 - 113	36.4		21.0		10.2	151	N	P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q1382
contract: NOBI03 **lab code:** CHEM **case no.:** Q1382 **sas no.:** Q1382
matrix: Solid **sample id:** Q1384-01 **client id:** OR-03-021823025MSD
Percent Solids for Sample: 88.6 **Spiked ID:** Q1384-01MSD **Percent Solids for Spike Sample:** 88.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	5120		4950		99.0	171		P
Antimony	mg/Kg	79 - 114	5.81		2.50	U	39.6	15	N	P
Arsenic	mg/Kg	82 - 111	34.5		0.91	J	39.6	85		P
Barium	mg/Kg	83 - 113	37.8		22.3		9.9	157	N	P
Beryllium	mg/Kg	83 - 113	7.64		0.31		9.9	74	N	P
Cadmium	mg/Kg	82 - 113	9.16		0.30	U	9.9	92		P
Calcium	mg/Kg	81 - 116	2950		3290		49.5	-681		P
Chromium	mg/Kg	85 - 113	25.1		7.64		19.8	88		P
Cobalt	mg/Kg	85 - 112	15.8		5.00		9.9	110		P
Copper	mg/Kg	81 - 117	28.3		15.2		14.9	88		P
Iron	mg/Kg	81 - 118	8390		8480		150	-59		P
Lead	mg/Kg	81 - 112	56.0		16.2		49.5	80	N	P
Magnesium	mg/Kg	78 - 115	1920		2210		99.0	-296		P
Manganese	mg/Kg	84 - 114	175		179		9.9	-39		P
Nickel	mg/Kg	83 - 113	32.6		9.50		24.8	93		P
Potassium	mg/Kg	81 - 116	924		515		500	82		P
Selenium	mg/Kg	78 - 111	71.9		1.00	U	99.0	73	N	P
Silver	mg/Kg	82 - 112	2.77		0.50	U	3.7	75	N	P
Sodium	mg/Kg	83 - 118	716		592		150	83		P
Thallium	mg/Kg	83 - 111	90.2		2.00	U	99.0	91		P
Vanadium	mg/Kg	82 - 114	23.8		14.8		14.9	60	N	P
Zinc	mg/Kg	82 - 113	34.5		21.0		9.9	136	N	P

metals
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MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q1382
contract: NOBI03 **lab code:** CHEM **case no.:** Q1382 **sas no.:** Q1382
matrix: Solid **sample id:** Q1388-01 **client id:** 72-12016MS
Percent Solids for Sample: 91.5 **Spiked ID:** Q1388-01MS **Percent Solids for Spike Sample:** 91.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.25		0.015		0.27	88		CV

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Nobis Group</u>	level:	<u>low</u>	sdg no.:	<u>Q1382</u>	
contract:	<u>NOBI03</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q1382</u>	sas no.: <u>Q1382</u>
matrix:	<u>Solid</u>	sample id:	<u>Q1388-01</u>	client id:	<u>72-12016MSD</u>	
Percent Solids for Sample:	91.5	Spiked ID:	<u>Q1388-01MSD</u>	Percent Solids for Spike Sample:	91.5	

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.30		0.015		0.29	98		CV

Metals
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POST DIGEST SPIKE SUMMARY

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
Matrix: Solid **Level:** LOW **Client ID:** OR-03-021823025A
Sample ID: Q1384-01 **Spiked ID:** Q1384-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	79 - 114	5.97		2.50	U	40.0	15		P
Barium	mg/Kg	83 - 113	36.2		22.3		10.0	139		P
Beryllium	mg/Kg	83 - 113	8.69		0.31		10.0	84		P
Lead	mg/Kg	81 - 112	57.4		16.2		49.9	83		P
Potassium	mg/Kg	81 - 116	799		515		500	57		P
Selenium	mg/Kg	78 - 111	74.4		1.00	U	99.9	74		P
Silver	mg/Kg	82 - 112	2.66		0.50	U	3.70	72		P
Vanadium	mg/Kg	82 - 114	23.7		14.8		15.0	59		P
Zinc	mg/Kg	82 - 113	34.8		21.0		10.0	138		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
Matrix: Solid **Sample ID:** Q1384-01 **Client ID:** OR-03-021823025DUP
Percent Solids for Sample: 88.6 **Duplicate ID** Q1384-01DUP **Percent Solids for Spike Sample:** 88.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	4950		5180		5		P
Antimony	mg/Kg	20	2.50	U	2.60	U			P
Arsenic	mg/Kg	20	0.91	J	1.05		14		P
Barium	mg/Kg	20	22.3		23.7		6		P
Beryllium	mg/Kg	20	0.31		0.31		1		P
Cadmium	mg/Kg	20	0.30	U	0.31	U			P
Calcium	mg/Kg	20	3290		3430		4		P
Chromium	mg/Kg	20	7.64		7.97		4		P
Cobalt	mg/Kg	20	5.00		5.20		4		P
Copper	mg/Kg	20	15.2		15.6		3		P
Iron	mg/Kg	20	8480		9050		7		P
Lead	mg/Kg	20	16.2		16.9		4		P
Magnesium	mg/Kg	20	2210		2330		5		P
Manganese	mg/Kg	20	179		186		4		P
Nickel	mg/Kg	20	9.50		9.85		4		P
Potassium	mg/Kg	20	515		563		9		P
Selenium	mg/Kg	20	1.00	U	1.04	U			P
Silver	mg/Kg	20	0.50	U	0.52	U			P
Sodium	mg/Kg	20	592		636		7		P
Thallium	mg/Kg	20	2.00	U	2.08	U			P
Vanadium	mg/Kg	20	14.8		15.6		5		P
Zinc	mg/Kg	20	21.0		21.0		0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
Matrix: Solid **Sample ID:** Q1384-01MS **Client ID:** OR-03-021823025MSD
Percent Solids for Sample: 88.6 **Duplicate ID** Q1384-01MSD **Percent Solids for Spike Sample:** 88.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5210		5120		2		P
Antimony	mg/Kg	20	5.76		5.81		1		P
Arsenic	mg/Kg	20	35.7		34.5		3		P
Barium	mg/Kg	20	37.5		37.8		1		P
Beryllium	mg/Kg	20	7.98		7.64		4		P
Cadmium	mg/Kg	20	9.51		9.16		4		P
Calcium	mg/Kg	20	3000		2950		2		P
Chromium	mg/Kg	20	25.9		25.1		3		P
Cobalt	mg/Kg	20	16.4		15.8		4		P
Copper	mg/Kg	20	29.4		28.3		4		P
Iron	mg/Kg	20	8430		8390		0		P
Lead	mg/Kg	20	57.7		56.0		3		P
Magnesium	mg/Kg	20	1950		1920		2		P
Manganese	mg/Kg	20	178		175		2		P
Nickel	mg/Kg	20	33.8		32.6		4		P
Potassium	mg/Kg	20	922		924		0		P
Selenium	mg/Kg	20	74.7		71.9		4		P
Silver	mg/Kg	20	2.86		2.77		3		P
Sodium	mg/Kg	20	723		716		1		P
Thallium	mg/Kg	20	92.5		90.2		3		P
Vanadium	mg/Kg	20	24.0		23.8		1		P
Zinc	mg/Kg	20	36.4		34.5		5		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1382</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1382</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1388-01</u>	Client ID:	<u>72-12016DUP</u>
Percent Solids for Sample:	91.5	Duplicate ID	Q1388-01DUP	Percent Solids for Spike Sample:	91.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.015		0.013		14		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1382</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1382</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1388-01MS</u>	Client ID:	<u>72-12016MSD</u>
Percent Solids for Sample:	91.5	Duplicate ID	Q1388-01MSD	Percent Solids for Spike Sample:	91.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.25		0.30		17		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166760BS							
Aluminum	mg/Kg	88.9	83.4		94	74 - 119	P
Antimony	mg/Kg	35.6	34.9		98	79 - 114	P
Arsenic	mg/Kg	35.6	35.8		101	82 - 111	P
Barium	mg/Kg	8.9	8.65		97	83 - 113	P
Beryllium	mg/Kg	8.9	8.31		93	83 - 113	P
Cadmium	mg/Kg	8.9	8.71		98	82 - 113	P
Calcium	mg/Kg	44.4	42.9	J	97	81 - 116	P
Chromium	mg/Kg	17.8	18.0		101	85 - 113	P
Cobalt	mg/Kg	8.9	8.72		98	85 - 112	P
Copper	mg/Kg	13.3	13.7		103	81 - 117	P
Iron	mg/Kg	130	136		105	81 - 118	P
Lead	mg/Kg	44.4	43.8		99	81 - 112	P
Magnesium	mg/Kg	88.9	82.5	J	93	78 - 115	P
Manganese	mg/Kg	8.9	8.65		97	84 - 114	P
Nickel	mg/Kg	22.2	22.0		99	83 - 113	P
Potassium	mg/Kg	440	444		101	81 - 116	P
Selenium	mg/Kg	88.9	87.4		98	78 - 111	P
Silver	mg/Kg	3.3	3.37		102	82 - 112	P
Sodium	mg/Kg	130	137		105	83 - 118	P
Thallium	mg/Kg	88.9	89.5		101	83 - 111	P
Vanadium	mg/Kg	13.3	12.7		96	82 - 114	P
Zinc	mg/Kg	8.9	8.91		100	82 - 113	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166830BS Mercury	mg/Kg	0.25	0.24		95	80 - 124	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

OR-03-021823025L

Lab Name: Chemtech Consulting Group

Contract: NOBI03

Lab Code: CHEM Lb No.: lb134756 Lab Sample ID : Q1384-01L SDG No.: Q1382

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Aluminum		4950		5630	14		P
Antimony		2.50 U		12.5 U			P
Arsenic		0.91 J		4.99 U	100.0		P
Barium		22.3		25.0	12		P
Beryllium		0.31		0.41 J	32		P
Cadmium		0.30 U		1.50 U			P
Calcium		3290		3830	17		P
Chromium		7.64		8.81	15		P
Cobalt		5.00		5.05 J	1		P
Copper		15.2		19.0	25		P
Iron		8480		9190	8		P
Lead		16.2		17.1	5		P
Magnesium		2210		2600	18		P
Manganese		179		210	17		P
Nickel		9.50		9.81 J	3		P
Potassium		515		541	5		P
Selenium		1.00 U		4.99 U			P
Silver		0.50 U		2.50 U			P
Sodium		592		607	2		P
Thallium		2.00 U		9.99 U			P
Vanadium		14.8		17.5	18		P
Zinc		21.0		23.3	11		P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

72-12016L

Lab Name: Chemtech Consulting Group

Contract: NOBI03

Lab Code: CHEM **Lb No.:** lb134771 **Lab Sample ID :** Q1388-01L **SDG No.:** Q1382

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.015	0.071 U	100.0		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group SDG No.: Q1382
 Contract: NOBI03 Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382
 Instrument ID: _____ Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q1382

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1382

SAS No.: Q1382

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group SDG No.: Q1382
 Contract: NOBI03 Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382
 Instrument ID: _____ Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q1382

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1382

SAS No.: Q1382

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q1382

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1382

SAS No.: Q1382

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client:	<u>Nobis Group</u>	SDG No.:	<u>Q1382</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1382</u>
		SAS No.:	<u>Q1382</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166760							
PB166760BL	PB166760BL	MB	SOLID	02/18/2025	2.09	100.0	100.00
PB166760BS	PB166760BS	LCS	SOLID	02/18/2025	2.25	100.0	100.00
Q1382-01	OU4-PCS-TC-01-021725	SAM	SOLID	02/18/2025	2.37	100.0	91.90
Q1382-03	OU4-PCS-TC-02-021725	SAM	SOLID	02/18/2025	2.14	100.0	91.70
Q1382-05	OU4-PCS-TC-03-021725	SAM	SOLID	02/18/2025	2.24	100.0	92.40
Q1382-07	OU4-PCS-TC-04-021725	SAM	SOLID	02/18/2025	2.28	100.0	92.50
Q1382-09	OU4-PCS-TC-05-021725	SAM	SOLID	02/18/2025	2.20	100.0	92.00
Q1382-11	OU4-PCS-TC-06-021725	SAM	SOLID	02/18/2025	2.15	100.0	92.20
Q1382-13	OU4-PCS-TC-07-021725	SAM	SOLID	02/18/2025	2.18	100.0	92.20
Q1382-15	OU4-PCS-TC-08-021725	SAM	SOLID	02/18/2025	2.09	100.0	92.60
Q1382-17	OU4-PCS-TC-09-021725	SAM	SOLID	02/18/2025	2.11	100.0	92.60
Q1382-19	OU4-PCS-TC-10-021725	SAM	SOLID	02/18/2025	2.10	100.0	93.40
Q1384-01DUP	OR-03-021823025DUP	DUP	SOLID	02/18/2025	2.17	100.0	88.60
Q1384-01MS	OR-03-021823025MS	MS	SOLID	02/18/2025	2.22	100.0	88.60
Q1384-01MSD	OR-03-021823025MSD	MSD	SOLID	02/18/2025	2.28	100.0	88.60

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SAMPLE PREPARATION SUMMARY

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Method:**
Case No.: Q1382 **SAS No.:** Q1382

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166830							
PB166830BL	PB166830BL	MB	SOLID	02/20/2025	0.54	35.0	100.00
PB166830BS	PB166830BS	LCS	SOLID	02/20/2025	0.56	35.0	100.00
Q1382-01	OU4-PCS-TC-01-021725	SAM	SOLID	02/20/2025	0.52	35.0	91.90
Q1382-03	OU4-PCS-TC-02-021725	SAM	SOLID	02/20/2025	0.59	35.0	91.70
Q1382-05	OU4-PCS-TC-03-021725	SAM	SOLID	02/20/2025	0.50	35.0	92.40
Q1382-07	OU4-PCS-TC-04-021725	SAM	SOLID	02/20/2025	0.58	35.0	92.50
Q1382-09	OU4-PCS-TC-05-021725	SAM	SOLID	02/20/2025	0.60	35.0	92.00
Q1382-11	OU4-PCS-TC-06-021725	SAM	SOLID	02/20/2025	0.52	35.0	92.20
Q1382-13	OU4-PCS-TC-07-021725	SAM	SOLID	02/20/2025	0.58	35.0	92.20
Q1382-15	OU4-PCS-TC-08-021725	SAM	SOLID	02/20/2025	0.55	35.0	92.60
Q1382-17	OU4-PCS-TC-09-021725	SAM	SOLID	02/20/2025	0.55	35.0	92.60
Q1382-19	OU4-PCS-TC-10-021725	SAM	SOLID	02/20/2025	0.53	35.0	93.40
Q1388-01DUP	72-12016DUP	DUP	SOLID	02/20/2025	0.59	35.0	91.50
Q1388-01MS	72-12016MS	MS	SOLID	02/20/2025	0.56	35.0	91.50
Q1388-01MSD	72-12016MSD	MSD	SOLID	02/20/2025	0.53	35.0	91.50

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ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** Q1382 **Sas no.:** Q1382 **Sdg no.:** Q1382

Instrument id number: **Method:** **Run number:** LB134756

Start date: 02/19/2025 **End date:** 02/19/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1259	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1303	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1308	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1312	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1316	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1650	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1711	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1715	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1720	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1724	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1728	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1732	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1736	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166760BL	PB166760BL	1	1741	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166760BS	PB166760BS	1	1745	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1382-01	OU4-PCS-TC-01-021725	1	1749	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1382-03	OU4-PCS-TC-02-021725	1	1753	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1382-05	OU4-PCS-TC-03-021725	1	1758	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1382-07	OU4-PCS-TC-04-021725	1	1802	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1382-09	OU4-PCS-TC-05-021725	1	1806	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1382-11	OU4-PCS-TC-06-021725	1	1810	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1382-13	OU4-PCS-TC-07-021725	1	1814	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1382-15	OU4-PCS-TC-08-021725	1	1819	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1823	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1827	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1382-17	OU4-PCS-TC-09-021725	1	1831	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1382-19	OU4-PCS-TC-10-021725	1	1836	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1384-01DUP	OR-03-021823025DUP	1	1844	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1384-01L	OR-03-021823025L	5	1848	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1384-01MS	OR-03-021823025MS	1	1852	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1384-01MSD	OR-03-021823025MSD	1	1856	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1384-01A	OR-03-021823025A	1	1900	Ag,Ba,Be,K,Pb,Sb,Se,V,Zn
CCV03	CCV03	1	1908	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1913	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1930	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1934	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** Q1382 **Sas no.:** Q1382 **Sdg no.:** Q1382

Instrument id number: **Method:** **Run number:** LB134771

Start date: 02/21/2025 **End date:** 02/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1229	HG
S0.2	S0.2	1	1232	HG
S2.5	S2.5	1	1234	HG
S5	S5	1	1236	HG
S7.5	S7.5	1	1239	HG
S10	S10	1	1241	HG
ICV13	ICV13	1	1252	HG
ICB13	ICB13	1	1254	HG
CCV01	CCV01	1	1256	HG
CCB01	CCB01	1	1301	HG
CRA	CRA	1	1304	HG
CCV02	CCV02	1	1329	HG
CCB02	CCB02	1	1332	HG
CCV03	CCV03	1	1357	HG
CCB03	CCB03	1	1402	HG
PB166830BL	PB166830BL	1	1412	HG
PB166830BS	PB166830BS	1	1415	HG
Q1382-01	OU4-PCS-TC-01-021725	1	1417	HG
Q1382-03	OU4-PCS-TC-02-021725	1	1419	HG
Q1382-05	OU4-PCS-TC-03-021725	1	1422	HG
Q1382-07	OU4-PCS-TC-04-021725	1	1424	HG
Q1382-09	OU4-PCS-TC-05-021725	1	1426	HG
Q1382-11	OU4-PCS-TC-06-021725	1	1428	HG
CCV04	CCV04	1	1431	HG
CCB04	CCB04	1	1433	HG
Q1382-13	OU4-PCS-TC-07-021725	1	1435	HG
Q1382-15	OU4-PCS-TC-08-021725	1	1437	HG
Q1382-17	OU4-PCS-TC-09-021725	1	1440	HG
Q1382-19	OU4-PCS-TC-10-021725	1	1442	HG
Q1388-01DUP	72-12016DUP	1	1454	HG
Q1388-01MS	72-12016MS	1	1456	HG
Q1388-01MSD	72-12016MSD	1	1458	HG
CCV05	CCV05	1	1501	HG
CCB05	CCB05	1	1506	HG
Q1388-01L	72-12016L	5	1517	HG
CCV06	CCV06	1	1522	HG
CCB06	CCB06	1	1524	HG